

## ABSTRACT OF DISCLOSURE

A current-voltage transforming circuit used with a photo detector integrated circuit includes a photo detector to  
5 detect a photo signal (laser beam signal) to generate a photo current, an amplifier to amplify the photo current, which corresponds to the photo signal, an emitter follower to receive an output of the amplifier, an output buffer to receive an output of the emitter follower, a current  
10 detecting limiter unit having an input terminal and an output terminal and turned on to generate a limiter current when the detected current outputted from the amplifier is greater than a predetermined current, and a feedback resistor connected between the photo detector and an output terminal of the  
15 output buffer.